



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/810,113

03/25/2004

Peter Arthur Schade

2797P

8045

29141

7590

02/09/2006

SAWYER LAW GROUP LLP

P O BOX 51418

PALO ALTO, CA 94303

EXAMINER

SORRELL, ERON J

ART UNIT

PAPER NUMBER

2182

DATE MAILED: 02/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/810,113

Applicant(s)

SCHADE, PETER ARTHUR

Examiner

Eron J. Sorrell

Art Unit

2182

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 23 November 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 August 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

Art Unit: 2182

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1,3,4,5,10,12, and 13 are rejected under 35 U.S.C. 102(b) as being anticipated by Beard et al. (U.S. Patent No. 5,991,830 hereinafter "Beard").

3. Referring to apparatus claims 1 and 12, Beard teaches a device comprising:

a processor (see lines 62-65 of column 4); and

a single I/O interface coupled to the processor (see lines 41-48 of column 4), comprising a host port; and a peripheral port (see lines 41-48 of column 4) wherein the host port and the peripheral port are defined using predetermined signals and wherein the peripheral port and the host port are both active at the same time (see paragraph bridging columns 5 and 6).

Art Unit: 2182

4. Referring to claim 3, Beard teaches the two connected devices utilizing the single I/O interface can have a peer-to-peer connection via the host port and the peripheral port (see lines 19-29 of column 4).

5. Referring to claim 4, Beard teaches two connected devices using a single I/O interface can have a one-to-many relationship via either the host port and/or the peripheral port (see figure 3 and lines 13-34 of column 5).

6. Referring to claims 5 and 13, Beard teaches a device needs only one physical I/O port via the connector that includes a host port and a peripheral port which are defined using the predetermined signals (see lines 45-57 of column 5).

7. Referring to claim 10, Beard teaches the first and second device can any of a camera, a computer, a personal digital assistant, laptop device, handheld device, printer, and cellular phone (see figure 1 and lines 19-29 of column 4).

Art Unit: 2182

Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 2,6,7,8,9,11, and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Beard in view of Hanson et al. (U.S. Patent No. 6,460,094 hereinafter "Hanson").

10. Referring to claim 7, Beard teaches a network comprising:

a first device; the first device including a single I/O interface (see item 101 in figure 1), the interface including a host port and a peripheral port, wherein the host port and the peripheral port are defined using predetermined signals (see paragraph bridging columns 5 and 6); and

a second device for communicating with the first device (see item 102 in figure 1), the second device using the predetermined signals, wherein the peripheral port and the host port are both active at the same time (see paragraph bridging columns 5 and 6).

Art Unit: 2182

Beard fails to teach the network being a USB network.

Hanson teaches a system wherein a USB bus is used to connect a wide variety of peripherals and allows for high transmission rates (see lines 24-37 of column 1).

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to modify the system of Beard with the above teachings of Hanson to benefit the high transmission rate USB provides.

11. Referring to claims 2,8, and 9, Hanson teaches the host a peripheral ports are USB ports and the predetermined signals are within the USB standard (see lines 47 of column 4 to line 2 of column 5).

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to modify the system of Beard with the above teachings of Hanson for the same reasons as mentioned above.

12. Referring to claims 6,11, and 14, Beard fails to teach the predetermined signals comprise host differential data lines and peripheral differential data lines.

Hansen teaches, in an analogous system, the above limitations (see lines 52-65 of column 4).

Art Unit: 2182

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to modify the apparatus and system of Beard with the above teachings of Hansen. One of ordinary skill in the art would have been motivated to make such modification quickly determine whether connected device is a high speed device as suggested by Hanson (see lines 3-16 of column 2).

Response to Arguments

13. Applicant's arguments with respect to claims 1,7, and 12 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eron J. Sorrell whose telephone number is 571 272-4160. The examiner can normally be reached on Monday-Friday 8:00AM - 4:30PM.

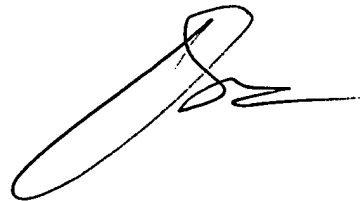
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Huynh can be reached on 571-272-4147. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2182

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

EJS

February 1, 2006



KIM HUYNH
SUPERVISORY PATENT EXAMINER

2/3/06